

Tech student participates in air attack on oil refineries in Cuba

A third-year MIT student took part in Thursday's bomb raid on Cuban oil refineries. The student, a Back Bay resident, told The Tech he served as technical advisor in the preparation of the five home-made bombs that were used on the raid. Four of the bombs were napalm fire bombs and the fifth was a 100-pound bomb made with a higher explosive.

During the actual raid, the student served as part of a four-man crew led by Alexander Rorke Jr. The group of raiders also included a Cuban exile leader who functioned as 'bombardier' — lighting the 15-second fuses with a cigar before releasing the bombs. This raid marked the first time that Rorke has indicated a Cuban as a member of his raiding party. Pre-

viously reported raids had involved other Boston area students, according to Rorke's statement to The Tech two weeks ago.

The targets for this aerial raid were former Esso and Shell refineries, now under Cuban control, located in a suburb of Havana. The raiders arrived over the target area Thursday at 8:55 pm (Havana time) with the intent to bomb control areas within the refineries. These control areas had been previously located by Cuban exile sources in Miami.

When asked about Cuban defenses, the student replied, "We approached our target at levels of 50-100 feet to avoid detection by Cuban radar. Whenever we were not otherwise occupied, we watched for the

MIG's. Fortunately, we did not see any—going in or coming out." He added that the flying conditions were very good throughout the entire operation.

On the initial pass two bombs were dropped, according to the student. After a very sharp turn, the remaining three bombs were dropped as the plane flew out to sea.

After the raid, the student flew back to Boston in order to be in time for his Friday classes. When asked about missed work, the student replied, "I spent the entire weekend trying to catch up." He was located, however, by the Boston Traveler for an interview that was printed Monday afternoon.

News reports from Cuba have indicated

that the bombs did very little, if any, damage. The student commented, however, "There is a chance that you might do some damage, and the raid proves the value of an air operation."

Dean of Student Affairs Kenneth R. Wadleigh said Monday afternoon that he did not yet know who the student was, and that he would not plan any action until he had all the facts. Wadleigh said he would like to offer the student any help necessary.

The student's first contact with Rorke occurred after a Boston radio program about a month ago, in which Rorke participated. At that time, the student indicated an interest in Rorke's operations and offered assistance.

'5-million grant to establish Center for Advanced Study

A five-million-dollar grant has been made by the Alfred P. Sloan Foundation for the establishment of a Center for Advanced Engineering Study.

The new center, first of its kind in the world, will give practicing engineers and professors of engineering from other schools the opportunity to study at the frontiers of science and engineering.

The establishment of the center comes in response to a national need for more engineering lead-

ers who can exploit the most modern concepts of science, according to administration officials.

Under plans developed for the center, \$2.7 million of the grant will be used in the construction of a new building facing Massachusetts Avenue and extending northward from Building 7 to Building 33.

The additional \$2.3 million will be used for teaching expenses during the first five years of the center's operation.

The center will comprise between eighty and one hundred offices, a reading room, and class and lecture rooms. Each student will have his own office.

It is planned that a limited number of engineers and teachers of engineering will be admitted in the fall of 1964.

For the first three years, the center will experiment with courses of varying lengths, to adapt to the interests of the scholars and to the varying periods for which they may attend.

Alfred P. Sloan Jr., chairman of the Sloan Foundation, initiated the plan to establish the Center for Advanced Engineering Study. Last summer he wrote Dr. James R. Killian Jr., chairman of the corporation, inquiring whether there was not a national need for an opportunity for graduate engineers to study the modern discoveries of science.

At the request of President Julius A. Stratton, a study of the value and feasibility of such a program was undertaken under the leadership of Dr. Gordon S. Brown, dean of the School of Engineering.

Dr. Brown's study re-emphasized the urgency of rapid and continuous updating of the skills of engineers and engineer-managers. It called attention to the importance of reducing the lag between new scientific advances and their application to industrial use.

"The establishment of this center reflects a growing demand on our universities to provide advanced education beyond formal degree programs," he has stated.

Stouffer's wins contract for Student Center food

Stouffer Corporation, Restaurant Division, has received the contract for management of the food service in the new Student Center.

A committee is presently being formed to set down specific plans for decor, menu, and service. The committee will consist of students; faculty members; the center's architect, Professor Eduardo F. Catalano; and a representative of Stouffer's.

The decision was made on the basis of conclusions reached by administrative members working with faculty members and students on the Activities Development Board and the Student Center Committee.

Early planning included studies of four large food-management corporations and visits to several of their operations. According to administration officials, student opinion confirmed feeling that the 100-seat grill in particular must offer food that contrasts markedly in style with that of the institutional dining service.

Stouffer's Restaurant Division will manage all dining service facilities in the center, which in-

clude a 100-seat grill, adjoining dining rooms, a 300-seat cafeteria, catered banquet rooms, and a snack-bar.

The Stouffer management that will be developing the Student Center is the same management that developed and operates Top of the Sixes, in New York City; Top of the Rock, in Chicago; Top of the Mart, in Atlanta; Top of the Marine, in Milwaukee; and now Top of the Flame, in Detroit, as well as a number of less expensive restaurants in various parts of the country.

The Restaurant Division also operates an experimental kitchen near Cleveland, which carries on extensive development of unusual recipes and foods.

Ground breaking for the new Student Center is set for May 15, after the annual Awards Convocation.

Nash will read his poetry tonight

Ogden Nash will read selections from his poems this evening at 8:00 in Kresge Auditorium.

Nash, whose presentation will be sponsored by the Lecture Series Committee, has written many volumes of verse, including: 'Everyone But Thee and Me,' 'You Can't Get There From Here,' 'The Private Dining Room,' 'Good Intentions,' 'The Primrose Path,' and 'Parents Keep Out.'

He attended Harvard University and is a member of the American Academy of Arts and Letters. The lecture is free, and open to the public.

Building to start this year

Harrington to head Center for Space Research

Dr. John V. Harrington, of Lincoln Laboratory, has been appointed director of the four-million-dollar Center for Space Research.

Mr. Lawrence E. Beckley '42 has been named administrator of the center.

Construction of the center, to be located on Vassar Street behind Building 31, will begin late this year. The scheduled completion date is 1965.

Three million dollars of the to-

tal cost of the five-story building will be provided by the National Aeronautics and Space Administration. The rest will come from the Second Century Fund.

Dr. Harrington is a researcher in the development of space communications and in the application of radar techniques to the study of upper atmosphere and space phenomena.

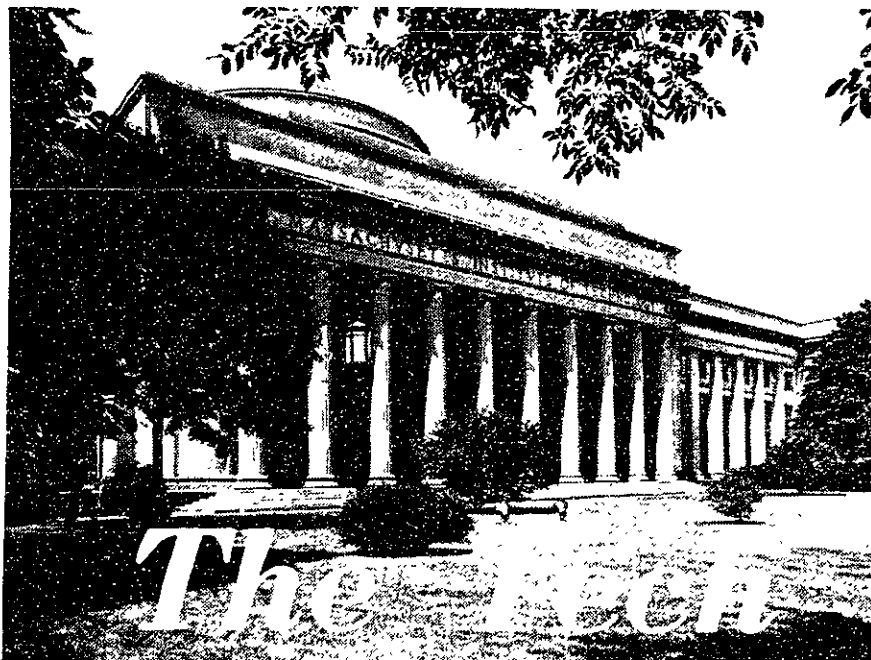
For the past five years, Dr. Harrington has been head of the



Dr. Harrington



L. E. Beckley



Vol. 83, No. 12 Cambridge, Mass., Wednesday, May 1, 1963 5c

Two others on probation

Two expelled from dorms

The East Campus Judicial Committee found four residents guilty of "storage and use of dangerous chemicals" Saturday, April 20.

Two of the students were sentenced to indefinite "reporting probation." The other two were expelled from the undergraduate dormitory system.

An appeal by the two expelled students, contesting the severity of sentence, and an appeal by one of the others, disputing the verdict, were turned down by the Dormitory Judicial Committee April 24.

One student further appealed the case unsuccessfully to the Institute Committee Judicial Committee last Sunday afternoon. In no other case since 1954 has the existing procedure for appeal been fully utilized.

It was brought out in testimony that the four students involved had decided to retaliate to a hack perpetrated by a close friend, not an MIT student.

After testing similar dosages on themselves, they administered a quantity of chloral hydrate to their friend. The drug has effects similar to those of alcohol.

They bound and blindfolded the friend and left him in one of the dark vaults beneath the Longfellow Bridge.

Revisiting the site less than two hours later, they discovered that their friend had escaped. Later that night, according to testimony, they met the victim and found him to be "wryly amused."

At the trial, the five, including their friend, stressed that the hack was considered a "joke" by all concerned, and a harmless one at that.

The Judicial Committee took a different view. Delivering its verdict, the committee reported that it considered administration of a drug by those unqualified to do so as manifest "irresponsibility."

Weatherall chosen Grad School officer

Robert K. Weatherall has been appointed executive officer of the Graduate School. He was previously associate dean of admissions.

The position, a newly established one, was necessitated by the increasing size and complexity of the graduate program, according to Dr. Harold L. Hazen, dean of the Graduate School.

Mr. Weatherall is a native of Eton, England, and a graduate of Cambridge University.

He came to MIT in 1956 as assistant to the dean of students. He became assistant to the director of admissions in 1958 and associate director in 1962.

Goody selected as architect for East Campus addition

Professor Marvin A. Goody, of the Department of Architecture, has been selected as the architect for the proposed addition to the East Campus student housing facilities.

No definite plans exist at this time, said Goody, and extensive investigation of the present situation is needed.

Dr. Killian quits intelligence post; Clifford named

Dr. James R. Killian Jr., chairman of the corporation, has recently resigned as chairman of the Foreign Intelligence Advisory Board.

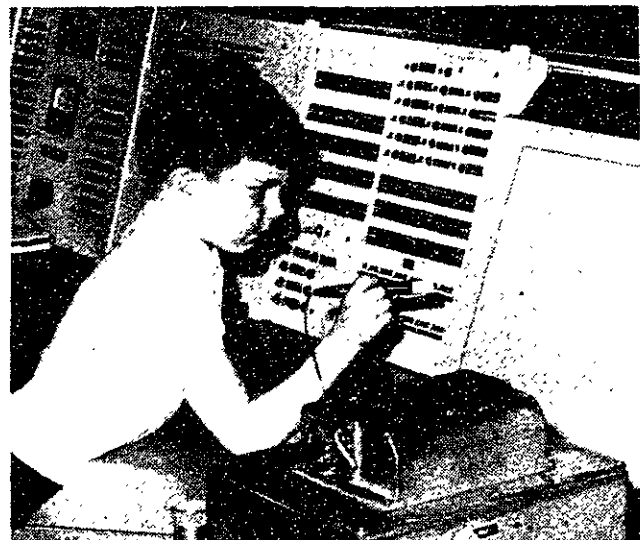
In accepting Killian's resignation April 23, President John F. Kennedy reported that Clark M. Clifford will become the new chairman.

Mr. Clifford, a Washington lawyer, was special counsel to former President Harry S. Truman.

Of Dr. Killian's services as chairman, the President has written: "It has been your hand which has held the board together, and not for the first time you have earned your country's thanks."

Dr. Killian was President Eisenhower's first science advisor. He served in the Eisenhower administration as chairman of a committee similar to the Kennedy administration's Foreign Intelligence Advisory Board.

14,000 visitors attend Saturday's Open House



One of the 14,000 visitors to Open House last Saturday plays tic tac toe on the TX-O in Building 26. This exhibit was one of the more than 150 at Open House. —Photo by Stephen Bless

MTA buses will soon link MIT with North Station

A new MTA bus route between MIT and North Station will begin operation Monday, June 24, as part of an experiment in mass transportation.

The buses will operate Monday through Friday from 7:00 am to 7:00 pm, at ten-minute intervals during rush hours and fifteen-minute intervals at other times. The fare will be ten cents.

The buses will run from North Station, via Causeway Street, Nashua Street, Storrow Drive, the Longfellow Bridge, Main Street, and Vassar Street, to Massachusetts Avenue, then north on Massachusetts Avenue to Main Street and back along Main Street to the Longfellow Bridge, returning to North Station.

The route is one of five new bus experiments being conducted by the Mass Transportation Commission of the Commonwealth of Massachusetts. To begin in late June, the experiments are part of a \$5.4-million mass transportation demonstration program. Two-thirds of this sum is a \$3.6 million grant from the Office of Transportation of the Housing and Home Finance Agency, and the

remaining \$1.8 million is from the Commonwealth.

According to its executive director, Dr. Joseph F. Maloney, the Mass Transportation Commission has "purchased a certain experimental pattern of service" from the Metropolitan Transit Authority in a one-year contract, which may be cancelled after six months by either the MTC or the MTA.

Dr. Maloney cited two reasons for the choice of the North Station-MIT route as part of what he called a "laboratory experiment." Rail service to North Station has recently been improved; and the MIT area, including nearby industrial and research facilities as well as the Institute itself, is a center of employment.

Pitfalls in city planning subject of lecture tonight

The fourth and final lecture in this year's Arthur D. Little series on City Planning will be delivered today at 8:00 pm in Room 7-403.

Dr. Louis Winnick, of the Urban Affairs Program of the Ford Foundation, will discuss 'Some Pitfalls in City Planning Theory.' The program is open to the public.

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Developer of gyroscope to lecture in Kresge

Elmer A. Sperry Jr., engineer and inventor who helped develop the gyroscope into an indispensable instrument for airplanes, will give the fifth annual Lester D. Gardner Lecture on the history of aeronautics at 3:30 pm in the Little Theater of Kresge Auditorium.

Mr. Sperry will describe the history of aircraft instrumentation from its origins up to World War II. He will deal particularly with development of gyroscopic instruments and with development of gyroscopic stabilization equipment.

Sperry will trace the development of flying from the days of visual reference only, through blind flying, to fully automatic flight control.

The Gardner Lectures, given under the auspices of the Department of Aeronautics and Astronautics, are made possible by a bequest of the late Major Lester D. Gardner '98.

Mr. Sperry's career in gyroscopic instrumentation began in 1910 when he helped his father, Elmer A. Sperry Sr., founder of the company that bears the family name, build the first ship's gyro compass and test it aboard the USS Delaware.

The Sperry firm was a pioneer in applications of the gyroscope to instrumentation. It developed the directional gyro and artificial horizon in the 1920's, making blind flying possible.

Writers, publishers to meet May 15-18

The tenth annual convention of the Society of Technical Writers and Publishers will be held at Boston's Statler-Hilton from May 15 to 18.

The theme of the convention will be 'The Revolution in Technical Communication.'

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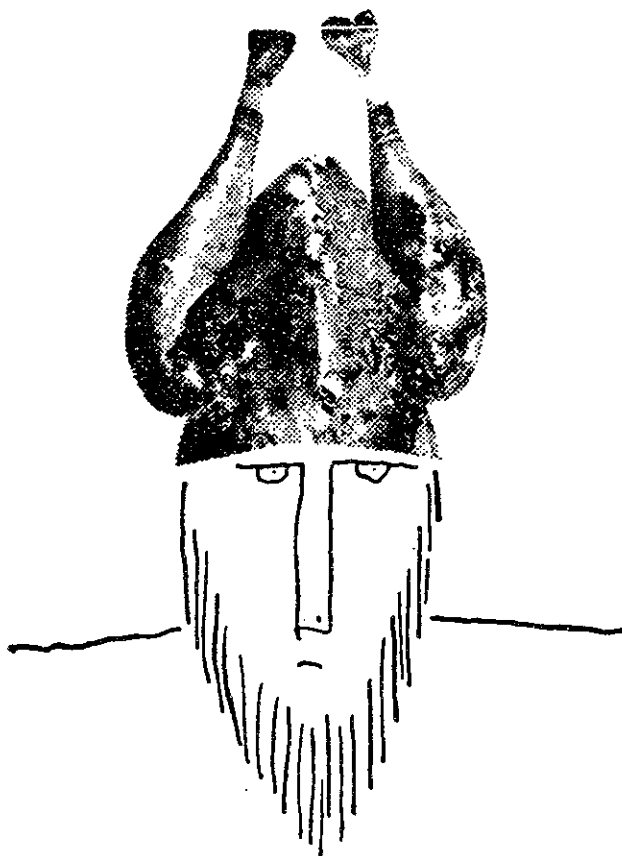
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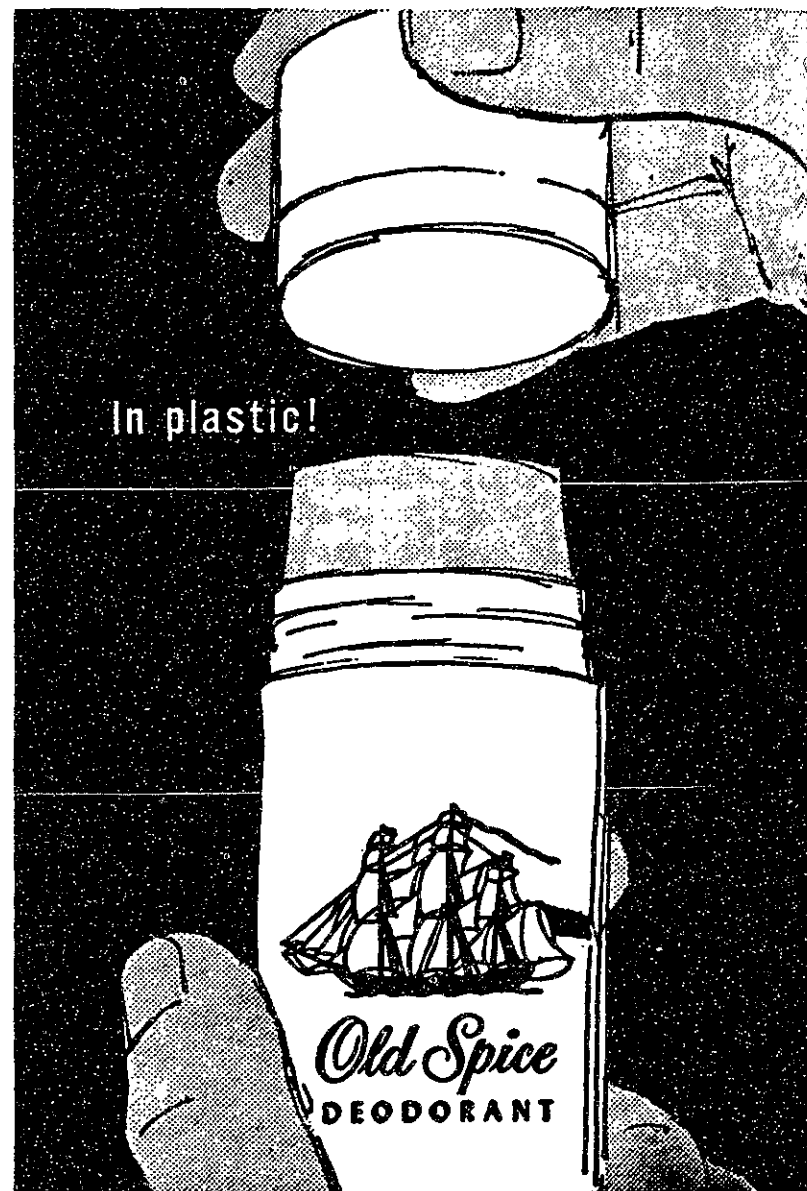


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2800 attend APO Spring Carnival



Activities Council Chairman Bob Popadic (left) is dunked at the Zeta Beta Tau booth at Saturday's APO Carnival. Above, a student tries his strength at the Technique booth. ZBT won the prize for the second-most-successful booth, following Phi Delta Theta, which collected about 1600 tickets. Lauren Villeneuve, date of John Kassakian '65, was chosen Carnival Queen. The 26 booths collected 11,500 tickets from the 2800 people attending the carnival.

Old and new Inscomms to confer

The old and new Institute Committees will consider problems of student government at a Leadership Conference, Friday and Saturday, May 3-4.

The outgoing Institute Committee will be honored at a dinner sponsored by Dean of Student Affairs Kenneth R. Wadleigh, Friday evening.

President Julius A. Stratton and Dean Wadleigh will address the two Institute Committees. Last year's student government activity will then be discussed.

Saturday, the new Inscomm will discuss next year's program.

Student Center Committee seeks freshmen members

The Student Center Committee is looking for freshmen interested in working on the committee.

Students should leave their names with Betty Hendricks in Litchfield Lounge,

Grad student hurt in collision

James P. Geiser '62, a graduate student, was seriously injured in an automobile accident last Saturday at the intersection of Massachusetts Avenue and Memorial Drive. Geiser, riding on a motorcycle, was struck when the car he had attempted to pass made a U-turn. He was seriously hurt and was taken to Mount Auburn Hospital in Cambridge, where he underwent surgery Monday afternoon.

Hospital officials described his condition Monday night as "good."

Transistorized model

EE sophs assemble oscilloscopes

Selected students in 6.70, the sophomore laboratory in experimental electronics, are building oscilloscopes this term. If the projects prove successful, all students taking the course may take part in this program in future years. The Department of Electrical Engineering has believed, for some time, that students should develop their own equipment as they proceed through the sequence of laboratory courses.

In the past they have been given kits of basic components with which they might build a few simple devices for use in the laboratory. The oscilloscope is one instrument which they could not build from their kits.

Costly Instrument

Providing commercially built oscilloscopes for each student is an expensive project, since a good but simple one costs from \$350 to \$450. Prof. Richard Thornton, who is in charge of the course, has designed an oscilloscope kit which students may assemble themselves. The cost of one of these instruments is about one third of the price of the commercial model.

Transistorized Model

Prof. Thornton's design utilizes the most advanced techniques in the art of electronics. It is a wholly new transistorized model. The present vacuum tube models

are the product of ten or twelve years of intensive development by industry. So far, no commercial oscilloscope has been successfully transistorized.

The project is being carried out under the close supervision of the instructors, by students specially selected for the program. These students have already completed about half the normal number of laboratory projects before starting this one.

It is expected that they will only complete part of the assembly work by the end of the term. The work may be finished by the same students in 6.71, the next sequential laboratory course, or by another group of 6.70 students.

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Education is never-ending

Editor's note: The first section of this editorial is reprinted, with permission, from Saturday's edition of The New York Times. In the second section, we add our own views on the center.

The \$5 million grant by the Alfred P. Sloan Foundation to the Massachusetts Institute of Technology for the establishment of a Center of Advanced Engineering Study is significant far beyond the frontiers of one campus. It is a hint of the future pattern of education and manpower.

The first hint came two years ago when Princeton's Woodrow Wilson School of Public and International Affairs was anonymously given \$35 million for the advanced training of highly educated persons in government service. Now, MIT will offer similar advanced mid-career or catch-up education to practicing engineers, industrial engineering managers and professors of engineering.

This is not graduate education, nor even post-doctoral training, in the conventional sense. It is recognition of the entirely novel fact that the rapid pace of discovery and the constantly expanding frontiers of knowledge and techniques threaten to expose even the most highly educated teachers and practitioners in modern society to early obsolescence.

Thus the Sloan grant points to an educational roadmap which winds in and out of school and university, with experience in the field continually reinforced by renewed contact with the world of academic research and scholarly investigation. It is probable that many promising young people are now frightened away from careers in areas which advance so fast that the considerable in-

vestment of time and money in their undergraduate and professional education may be too rapidly jeopardized through obsolescence. The steps taken, first at Princeton and now at MIT, suggest that trained men (and women) need not resign themselves to an inevitable fate of being pushed aside by progress.

The new Center will be the first of its kind in engineering, although previous centers at Princeton for government and at MIT for industrial management are similar in concept.

The Center is designed to help top engineers in industry and professors of engineering from other universities to master the new sciences that have emerged since their professional education.

United States industry is often unable to adopt new technology as rapidly as it should, because of the scarcity of key technical people who have working familiarity with the most up-to-date science and technology.

Center promotes education

The gap between the research frontier and contemporary industrial practice is often dangerously large, not so much because of a shortage in numbers of engineers as because of the lack of those who can work at the technical frontier.

As President Kennedy wrote in the foreword to a manpower report of the Science Advisory Committee, "... requirements for the more highly trained engineers, mathematicians, and physical scientists are rapidly outstripping our capability to produce them."

Dean Gordon S. Brown '31 points out that the quickest way to fill this gap in both numbers and capability is to update the professional men now in industry and education. Half of the nation's 800,000 engineers graduated more than 10 years ago, and thus studied a now-outmoded curriculum.

Some of the new fields that have grown rapidly during the last 10 years include solid-state physics and molecular engineering, feedback control, inertial guidance, nuclear engineering, computer technology, and extra-terrestrial engineering, and so on.

Many of these new areas have become disciplines of major scope and great impact on our military and economic strength.

The new Center is intended to be an integral part of the School of Engineering in both function and location. It will be located adjoining Building 7 on Massachusetts Avenue.

The air-conditioned building will contain classrooms, a reading room, and about 90 offices for students and professors. It will use existing laboratory and library facilities.

The constant mixing of Center students with the rest of MIT is intended to promote a maximum dialogue of ideas, so that people in the center will contribute to MIT's education of students.

Vital as the work of the Center is, it is important that it must not be a burden on any of the present MIT resources. Thus there will be a need for expansion of the MIT faculty when the Center begins operation. Forseeing this need, the Sloan Foundation grant includes \$2.5 million for teaching costs in the Center.

Inside Inscomm

International relations conference may be at MIT

by Jerry Luebbers, UAP

A week ago Tuesday three other MIT representatives and I attended a meeting of international relations clubs of representative schools in the Boston area.

The ostensible purpose of that meeting was to discuss whether it would be profitable to jointly sponsor a model United Nations in the coming year. Earlier, it had been suggested that MIT would be an ideal host school, so we went with a cautious attitude.

In discussing this possibility prior to the April 23 meeting, we decided that a standard model UN, with its emphasis on learning of the procedural and mechanical characteristics of the United Nations, would not be a desirable Institute Committee project.

Rather, we chose to suggest an international conference woven into a United Nations format. Were we to sponsor such an event, the chances are that it would be on a single topic of International Relations.

However, each participating school would try to approach the

topic from the point of view of a particular nation, preferably one which was actually represented by one or more foreign students from its student body.

In addition, we considered adding another new twist—that asking some of our own foreign students to act as advisors to the various delegations that would attend.

The idea was well received, and we have been asked to draft some kind of proposal. At the Institute Committee meeting last Thursday, several good points were made.

Such a conference would treat only one topic, and would be educational rather than mechanical. In addition, this would not be an annual affair, as it was felt that the value to the MIT community would be substantially less the second time around. These ideas would be incorporated into any proposal advanced.

As usual, if you have any strong feelings on this topic, I urge you to communicate them to us.

New Humanities head feels change characterizes MIT

By Sutikshan Prakash

"MIT has come closer to maintaining traditions of innovation than any other university in America," according to Prof. Richard M. Douglas. Formerly professor of history at Amherst College, Douglas was appointed head of the Humanities Department in February.

Commenting on why he chose to come to a primarily technological institution, he has said, "The thing that always attracted me about MIT is a tolerance for new ideas, innovation, and a certain impatience with custom as the automatic guide to the establishment of curriculum. MIT lives off certain energies of innovation."

He does not feel that top students should come to a technical institute for majoring in humanities. "Training here is professional, while in a liberal arts college they will get a much greater concentration of humanities. Those who do come here, however, have the advantage of pursuing humanistic studies in a scientific environment."

Not enough humanities

Even though all MIT undergraduates spend almost one-fifth of their time studying humanities, according to Prof. Douglas, it is not nearly enough. "Any less time would not add up to anything durable or substantial. The eight-course requirement is as lean as you could have to mean anything. It is less, for example, than that at the California Institute of Technology or the Case Institute of Technology."

A committee of ten has been

appointed to review the Institute requirement in humanities and social studies. The committee is working through a series of questions like: "How should the eight courses of humanities best be used?" "How much time should be assigned to inter-disciplinary courses such as those in the current curriculum, and how much to single-discipline courses?"

Study of social problems

Prof. Douglas says that the department is convinced of the need of single-discipline courses. "Every student should be obliged to discover the meaning and the importance of a non-scientific, non-engineering discipline. The professional course should be supplemented by a modest but important experience of a humanistic social discipline. Problems concerned with understanding human society, artistic experience and expression, need to be understood."

His general impression of MIT is that no university in America has so important and profound an impact on American society and policy.

One might say that nowhere does the study of humanities and social sciences matter more than it does here.

Prof. Douglas, who is 41 years old, is married and has two children. His wife and children are his primary non-scholarly interests, along with photography. He received his Ph.D. from Harvard, taught at the College of Wooster, 1947-1949, and was a Fulbright Fellow in 1952 and 1953.



Vol. LXXXIII No. 12 May 1, 1963

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Deadlines: Noon Thursday—advertising; 3:00 pm Saturday—features, activities, letters to The Tech; 11:00 pm Saturday—photography; noon Sunday—sports, entertainment; 7:00 pm Monday—news.

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This week's title picture, on Page 1, is a view of the Building 10 facade as seen from the Great Court. Building 10 is the central section of the Institute's main complex. Rising above it is the Great Dome, symbol of MIT.



PEANUTS appears daily and Sunday in the Boston Herald.

Making the Scene

THIS WEEK MUSIC	S	M	T	W	T	F	S
Boston University Symphony Band — May 1, 8:30, School of Fine and Applied Arts; Peralichetti's Symphony No. 6, Bozza's 'Concertino for Trumpet,' Stravinsky's Concerto for Piano and Wind Instruments, Hindemith's Symphony in B-flat.	5	6	7	1	2	3	4
Joe Williams and Eric Von Schmidt Big Band Theatre, May 3, 8:30	12	13	14	8	9	10	11
International Dance Festival — May 3, 8:30, Kresge Audit.; songs from the Philippines, India, Pakistan, Greece, Africa, Korea, the Arab nations, Scandinavia, Latin America; \$2.00, \$1.50.							
Casey Anderson — May 4, 8:30, New England Life Hall; \$3.85, \$2.75, \$2.00.							
Ray Charles — with orchestra, Donnelly Memorial Theatre, 8:00, 10:30, May 4.							
'Evening of Music' — Burke Family Singers, Boston Salon Orchestra, Donnelly Memorial Theatre, May 5, 8:15.							
Tech Night at the Pops — May 5, 8:30, Symphony Hall; \$3.50, \$3.00, \$2.50, \$2.00, \$1.50, \$1.00.							
Wellesley Choir, Amherst Glee Club —							

Houghton Memorial Chapel, May 3, 8:00; Haydn's B-flat major Mass.

Gardner Museum — New England Conservatory Tour Chorus, May 5, 3:00; music of Bach, Brahms, Hovhannes Schickel, Schonberg, Loesser, and others.

Boston Youth Symphony Orchestra — May 5, Jordan Hall, 3:00; Mozart's Concerto in C minor, and Clarinet Concerto in A major, Rossini's Overture to 'La Gazza Ladra,' Bruckner's Symphony in E-flat major, Goodman's Canon for Percussion, Rimsky-Korsakov's 'Capriccio Espagnol,' free.

MIT Spring Festival of Music — May 4-5, Kresge Audit.; May 4, 8:30, Walter Piston's 'Suite from the Incredible Flutist,' Lalo's 'Symphonie Espagnole,' Sander's Symphony in B-flat for Concert Band, Schonberg's 'Theme and Variations,' Jacob's Intrada from 'Music for a Festival,' May 5, 3:30, Bach's 'Mass in B minor,' \$2.50, \$3.50.

THEATRE

'The Bacchae' — Euripides in Greek, Hay Outdoor Theatre, 4:30, May 2, 3:00, May 4, Wellesley College.

'The Shelter' — from a story by Rod Serling, May 3-4, 8:00, Alumnae Hall, Wellesley College; \$5.50.

LSC Classics Series — 'M' May 3, Room 10-250 6:30, 9:00; M is directed by Fritz Lang — starring Peter Lorre. Based on an actual murder case, it is considered one of the finest German films. Germany 1931.

LSC Entertainment Series — 'Bird Man of Alcatraz,' May 4, Kresge Audit., 2:15, 6:00, 9:00; Burt Lancaster, Karl Malden, Thelma Ritter, Edmond O'Brien. Based on the true story of Robert Stroud, a life-termer who has been in prison since 1909 where he became a world-renowned authority on birds.

MISCELLANEOUS

J. William Fulbright — 'The American Agenda,' Cohen Audit., Tufts University, May 1, 8:30; free.

Orden Nash — May 1, Kresge Audit.

By Toby Zidle '63

College World

Daily Campus editor suspended; New Student Life editor protested

The Connecticut Daily Campus two weeks ago elected a new editor. The election was routine. The events preceding the election, however, were not routine.

Two weeks previous, polls opened throughout the University of Connecticut for the election of Student Senate officials. The Board of Directors of The Campus met earlier, of course, to discuss the issues and to decide whether to endorse any of the candidates for office. Because the Board could not make a unanimous choice, it was decided to present an objective appraisal of the four candidates for the major offices.

The editorial that appeared in The Campus on

the day of the election, however, was not just an objective appraisal. It was, instead, an endorsement for two candidates for Senate President and Vice-President.

This stunned the other members of the Board. In fact, they called an emergency meeting that afternoon.

The result of that meeting was a unanimous decision to relieve the editor of his duties and place him on suspension. A front-page editorial on the following day said, "It is the opinion of the Board that (the editor) has done the Daily Campus irreparable harm and that he has betrayed the basic trust which is implicit in his position as Editor."

The suspension remained in effect for almost weeks until a meeting was held to give the editor a chance to explain his actions.

After the hearing, the Board voted to request the editor's resignation because they felt they could no longer work with him. The editor asked for, and was granted, 24 hours to consider the request.

At the next day's meeting, however, the editor said he did not wish to resign and asked further to be allowed to conduct an election meeting already scheduled for that week.

After discussion, the request was allowed and the elections held. The elections were routine, but the events preceding them were not as common.

The Opposite End

Newspaper elections were also recently held at Washington University in St. Louis. In this case, however, editors are not elected by the newspaper's Board of Directors, but by the University's Board of Publications.

Four students filed applications for the position of editor of the Student Life. One of these, of course, was elected. Immediately afterward, however, a protest was made to the dean of students that personal bias had entered into the decision of several members of the Board of Publications and that the Board was numerically incomplete, thus depriving the publication of proper representation.

The dean concurred with the objections and ordered another election. In the meantime, one of the Board members resigned and two new members were appointed. Following another lengthy round of interviews and discussions, a second candidate was elected to the editorship.

An immediate protest was once again lodged, this time by the President of the Student Senate, who questioned the general validity of the meeting and the propriety of the new appointments to the Board.

The dean of students then agreed to convene the Board of Student Affairs to review the legality of the various meetings. After a four-hour meeting, the BSA ruled the first meeting of the Board of Publications to be the valid meeting.

The staff of the Student Life has protested the BSA ruling, charging that the editorship had been made a pawn of student government politicians and that it "destroyed the autonomy of the paper."

Music groups combine to give Spring Festival

The Choral Society, Glee Club, Symphony Orchestra, Concert Band, and Brass Choir will combine to give two consecutive weekends of choral and orchestra music May 4-5 and 10-12 in Kresge Auditorium.

The concerts May 4 and May 11 at 8:30 will present the Symphony Orchestra in a performance of the 'Suite from the Incredible Flutist' by Walter Piston and the Lalo 'Symphonie Espagnole.' Coed Janet Stober will play solo violin.

On the same program, the Concert Band will give 'Theme and Variations, Opus 43A' by Schoenberg, and Robert Sanders's 'Symphony in B-flat for Concert Band.' The Brass Choir will give a Buonamente sonata and will act as an antiphonal choir in the Intrada from 'Music for a Festival' by Gordan Jacob.

May 5 at 3:30 and May 10 at 8:30, the Choral Society and the Cambridge Festival Orchestra will present Bach's 'B-Minor Mass,' with soloists Dorothy Renzi, soprano; Eunice Alberts, contralto; Donald Sullivan, tenor and Thomas Pyle, baritone.

The closing day, May 12 at 3:00, will feature a performance of Franz Joseph Haydn's 'The Seasons' with the Glee Club and the Douglas College Choir, accompanied by the Cambridge Festival Orchestra. Soloists will be Catherine Linville, soprano; Walter Carringer, tenor; and John Powell, baritone.

Tickets for each event are \$2.50 and \$3.50, on sale in the lobby of Building 10 from 12:00 to 2:00 weekdays.

Greenwald to speak today

Crawford Greenwald, a member of the corporation, will speak this afternoon on bird songs at 4:00 pm in Room 26-100. The talk will be sponsored by the Department of Biology.

The Management of Scientists — May 2, Dr. Roydan Sanders, 'Interface Problems Between Scientists and others in Technically Oriented Companies,' May 6, Dr. Norman Kaplan, 'Organization: Will it Choke or Promote the Growth of Scientists?' Alumni Audit. Northeastern University, 8:30.

ISA Fun Fair — May 4, noon to midnight, International Student Association.

Ford Hall Forum — Prof. H. Stuart Hughes, 'The Politics of Peace,' Jordan Hall, 8:00, May 5.

NEXT WEEK MUSIC

New England Conservatory — Donald Willing, organist, May 10, 8:30 Memorial Music Hall; Bach's Fantasia and Fugue in G minor, and Sonata V, Handel's Concerto in G minor, Widor's Symphony VI, Vierne's Scherzo from Symphony II, Strube's 'Cakewalk,' Bach's Toccata in F major; free.

Brandeis Folk Festival — Ullman Amphitheater, Brandeis University, May 10, evening concert, May 11, guitar and banjo workshop, 'Nationalities' afternoon concert, evening concert; \$1.00 per afternoon event, \$2.25 per evening event.

All Star Folk Showcase — May 11, Bates Hall, Huntington Ave. YMCA, 8:30; hootenanny.

Gardner Museum — Lawrence Smith, pianist May 12, 3:00.

THEATRE

'Orpheus and Eurydice' — May 9-11, University Theatre, Boston University.

'Henry IV, Part I' — Shakespeare, May 9-11, 15-15, Loeb Drama Center, 8:00.

MISCELLANEOUS

The Management of Scientists — Alumni Audit., 8:30, Northeastern University; May 9, Dr. Anne Roe, 'The Psychology of Scientists,' May 13, Dr. Herbert A. Shepard, 'Adaptive Processes for Research and Innovation.'

'Latin American Carnival' — May 11, Severance Green, Wellesley College, 2:00.

ISA Fun Fair booths to represent 20 nations

The fifteenth annual Fun Fair of the International Student Association of Greater Boston will be held May 4 at the association's headquarters at 33 Garden Street, Cambridge.

More than twenty booths representing countries in Africa, the Near East, South America, the Orient, Scandinavia, and Europe will be open from noon to midnight. They will feature foods, arts, and crafts of the different nations. Gifts typical of the countries will be on sale.

A variety show will be presented on an open-air stage, by students presenting dances and songs from foreign countries.

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\$2.00, \$1.50
\$1.00

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theatre...

Franz Kafka's 'The Trial' a superb pr

By Charles Foster Ford

Franz Kafka's works have the appearance of carefully recorded dream-sequences. They never seem to arrive where they said they were going. Like dreams, they are loaded with opaque symbolism, which is unceasingly interpreted. I've been told, for instance, that the unnamed crime of which Franz K. is accused in 'The Trial' is insensitivity to his fellow men. I have yet to see this convincingly documented.

The adaptation staged by Joseph Everingham and the Dramashop last week was pure Kafka for the first half: chaotic, surprising, incomplete, charged with very real emotions in very unreal settings. In the second half, however, the materials of the novel were used in a much more theatrical fashion, and the result was quite close to the best "Theatre of The Absurd" style.

As Joseph K., the puzzled defendant, Roger Gans was brilliant. From his initial arrogance and independence, through his growing concern and his crafty attempts to seek aid, to his final resignation to his fate, Mr. Gans

THE TRIAL, by Franz Kafka, adapted and directed by Joseph Everingham, assisted by Helen Bottomly Brumby, presented by the Dramashop, lighting designer, Larry Valby '63; set designer, Richard Krasin, '63; costume designer, John Leide '65; stage manager, Phillips Hooper, '63; property mistress, Caroline Crawford; sound effects, Stephen Schuman, '64; make-up, Joan and David Dutton; musical settings, Fred Prahl.

Cast included:

Joseph K.	Roger Gans '63
Frau Grubach	Lillian Aylward
Police Inspector, etc.	
Erma, etc.	Joseph Morlan
Fraulein Burstner	Miriam Dushman
	Norma Anderson
Laundress	Joan Tolentino
Fraulein Montag	Beatrice Paipert
Uncle Albert	Rob Lanchester '63
Advocate	Fred Prahl '63
Leni	Sonia Grant
Rudi Block	Michael Jacobs
Titorelli	David Liroff '65
Priest	Richard Reese '66
Children	Debby Wernuth, Eric Wernuth, Gaye House, Donna House

Taking several roles: Steven Frank '63; Gary Feldman '63; Thomas Survilla '65; Barry Warner '65; Jeffrey Meidman '65

was at all times correctly believable in a highly unbelievable situation.

K. seeks aid from several women during his trial, and these were also well-played roles: As the mother-figure Frau Grubach, his landlady, Lillian Aylward; as Fraulein Burstner, a lawyer's

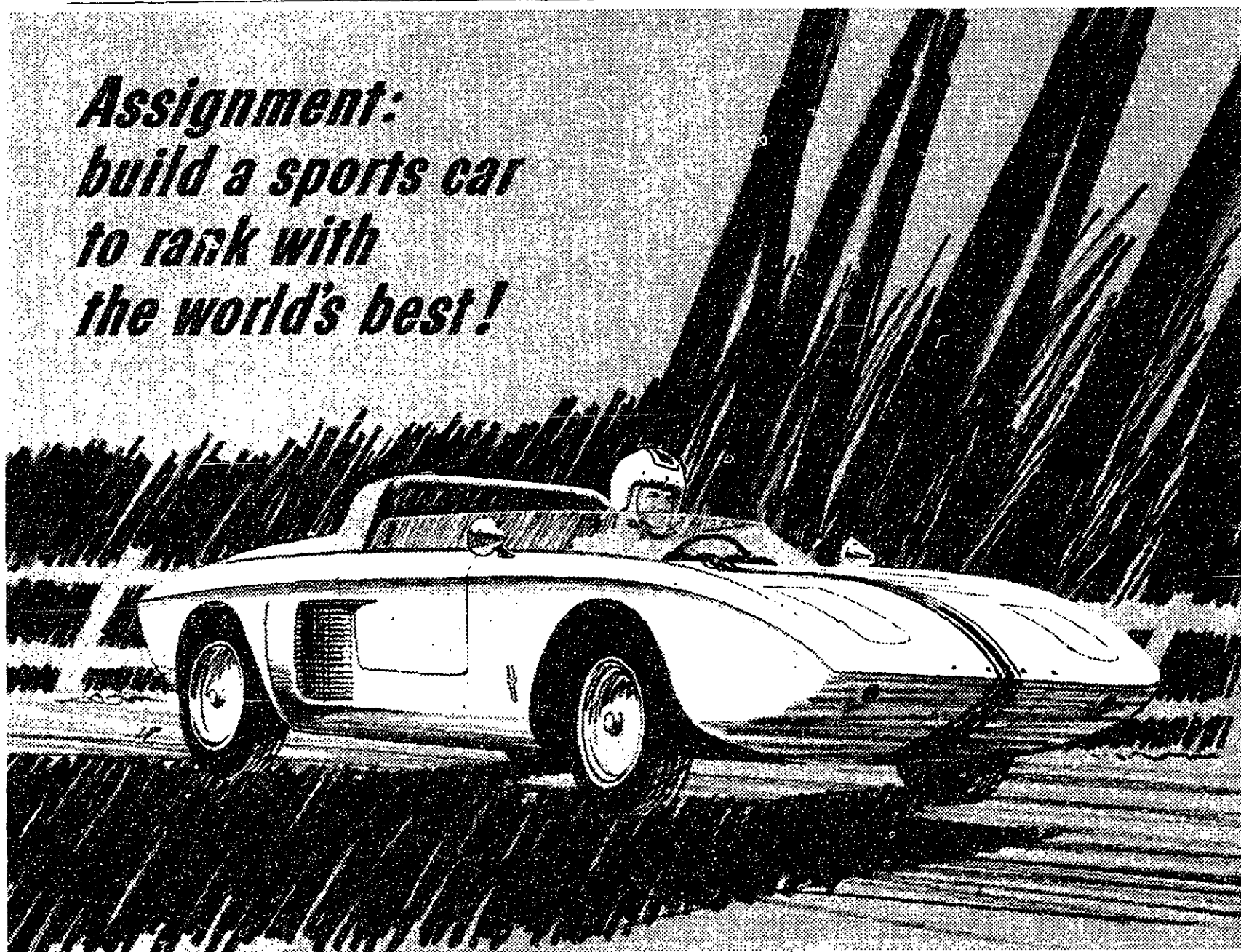


While Leni (Sonia Grant) looks Gans '63) denounces the bedridden Block (Michael Jacobs) grovels on his fa's 'The Trial' Wednesday, Thursday, last week.

secretary whose only asset is her loving nature, Norma Anderson; as her friend Fraulein Montag, who puts an end to this affair, Beatrice Paipert; as the laundress who sleeps with judges, Joan Tolentino; as Leni, the maid and mistress of a famous Advocate, Sonia Grant.

Almost all these girls (Montag and Grubach are the exceptions) fall immediately for Joseph K., and their roles as willing but useless tools are almost identical. It is a credit to both the director and his actresses, then, that each one emerged as an individual portrait.

The play proceeds as a series of individual interviews, broken at four points by crowd scenes. On the small Little Theatre stage, these crowds were very effectively managed... the more so since most of them were massed in front of the curtain, to cover scene changes behind it.



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movie schedule

Wednesday, May 1, through Tuesday May 7 (Unless otherwise stated, the Sunday schedule is the same as the weekday schedule except that no movies are shown before 1:00 pm.)

ASTOR — starting May 3, 'I Could Go on Singing,' no times available.

BEACON HILL — 'The Four Days of Naples,' no times available.

BOSTON CINERAMA — 'How the West Was Won,' evenings, 8:30, matinee Sunday, 4:45.

BRATTLE — Luis Bunuel's 'The Criminal Life of Archibaldo de la Cruz,' 5:30, 7:30, 9:30, mat. Sat. at 3:30. Starting Sun.: Jacques Demy's 'Lola,' 5:30, 7:30, 9:30 daily, mats. Sun. & Sat. at 3:30.

CAPRI — 'David and Lisa,' 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00.

COOLIDGE CORNER — 'To Kill a Mockingbird,' 1:50, 8:30; Saturday, Sunday, 2:00, 5:00.

EXETER — 'Wrong Arm of the Law,' 2:10, 3:55, 5:45, 7:30, 9:20.

FENWAY — 'Sunday's and Cybele,' 1:10, 3:10, 7:10, 9:10.

FINE ARTS — 'The Seventh Seal,' and 'The Devil's Eye,' no times available.

GARY — 'Lawrence of Arabia,' evenings, 8:00; matinee Sunday, 2:00.

HARVARD SQUARE — 'Days of Wine and Roses,' feature at 2:30, 5:00, 7:15, 9:30.

KEITH MEMORIAL — 'The Birds,' 9:50, 12:10, 2:30, 4:50, 7:10, 9:30; Sunday, 1:00, 3:06, 5:12, 7:18, 9:24.

LOEW'S ORPHEUM — 'Face in the Rain,' 9:50, 1:20, 4:40, 8:05, Sun. 1:00, 4:20, 7:40; 'Madame,' 11:25, 2:50, 6:15, 9:45, Sun. 2:30, 5:55, 9:10.

MAYFLOWER — 'Man from the Diner's Club,' 11:15, 2:35, 5:55, 9:15; Sunday, 2:30, 5:50, 9:10; 'Fury of the Pagans,' 9:45, 1:00, 4:20, 7:40; Sunday, 1:00, 4:15, 7:35.

MIT — Friday 'M,' Room 10-250, 6:30, 9:00; Saturday, 'Bird Man of Alcatraz,' Kresge, 2:15, 6:00, 9:00.

MUSIC HALL — 'The Ugly American,' 10:00, 12:21, 2:42, 5:03, 7:24, 9:45, Sun., 1:00, 3:10, 5:20, 7:30, 9:40.

PARAMOUNT — 'Papa's Delicate Condition,' 9:50, 1:50, 5:50, 9:50; 'Strategic Air Command,' 11:30, 3:30, 7:30, Sun., 5:30, 9:30.

PILGRIM — 'Babes in the Woods,' 10:50, 1:30, 4:15, 7:00, 9:45, Sun., 2:20, 4:45, 7:10, 9:50; 'World by Night,' 9:30, 12:10, 2:50, 5:40, 8:25, Sun., 1:00, 3:25, 5:50, 8:30.

SAXON — 'Mutiny on the Bounty,' evenings, 8:15, matinee, 2:15.

WELLESLEY COMMUNITY PLAYHOUSE — through May 4, 'The Man from the Diner's Club,' and 'The Great Chase,' 7:45, mats. Wed., Sat., 4:45; starting May 5, 'Boccaccio 70,' 7:45, mat. Sun., 4:45.

UPTOWN — 'Girl from Tamiko,' 1:10, 5:20, 9:35, Sun., 1:05, 5:15, 9:35; 'Billy Budd,' 11:00, 3:10, 7:20, Sun., 3:05, 7:20.

Theatre Schedule

CHARLES PLAYHOUSE — 'Candida,' Wednesday-Friday, 8:30; Saturday, 5:30, 9:00; Sunday, 3:00, 7:00.

IMAGE — 'The Master Builder,' Tuesday - Friday, 8:30; Saturday, 5:00, 9:00.

SHUBERT — starting May 6, 'Carnival,' eves., 8:30, mats., Wed., Sat., 2:30.

WILBUR — 'Here Today,' eves., 8:30, mats. Wed., Sat., 2:30.

Brandeis Folk Festival to present two days of concerts, workshops

Brandeis University Creative Arts Festival will present its first annual Folk Festival May 10 and 11 at the Ullman Amphitheatre, on the Brandeis campus.

Workshops in banjo and guitar will be held Saturday afternoon.

Friday evening the festival will include a concert with Bob Dylan, Jesse Fuller, the Lilly Brothers and Don Stover, Jean Redpath, and the Silver Leaf Gospel Singers.

A nationalities concert, featuring Ron Eliran, Israel music; David McAllester, Navajo Indian music; Jean Redpath, Scottish music; Waltham 54, Massachusetts.

Tony Saletan, Southeast Asian music; and Jackie Washington, Puerto Rican music, will be Saturday afternoon.

Saturday evening will feature Pete Seeger, Ron Eliran, the Charles River Valley Boys, and Jean Ritchie.

Tickets for individual concerts are \$2.25 for each of the evening concerts and \$1.00 for each of the afternoon events. A combination ticket for all events is \$4.00, available by writing to Brandeis Folk Festival, Brandeis University, Waltham 54, Massachusetts.

At the Coffeehouses

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Near Kenmore Square
Through May 4—Paul Clayton

Club Mt. Auburn 47
47 Mt. Auburn Street
Today—Tom Rush
Thursday—Jim Kweskin and Geoff Muldaur
Friday—Jackie Washington and Irene Kossoy
Saturday—Rooney, Val, and Applin

The Unicorn
825 Boylston Street
Through May 12—John Winn, Elizabethan Bowdy Songs

HARVARD SQ UN 4-4560
"Days of Wine and Roses"
starring Jack Lemmon and Lee Remick
2:30 5:00 7:15 9:30

BRATTLE SQ TR 6-4226
Luis Bunuel's
"The Criminal Life of Archibaldo de la Cruz"
5:30 7:30 9:30 Sat. mat. at 3:30
Starting Sunday
Jacques Demy's "Lola"
5:30 7:30 9:30
Sat. and Sun. at. at 3:30

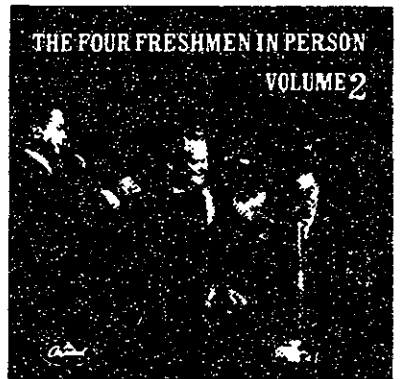
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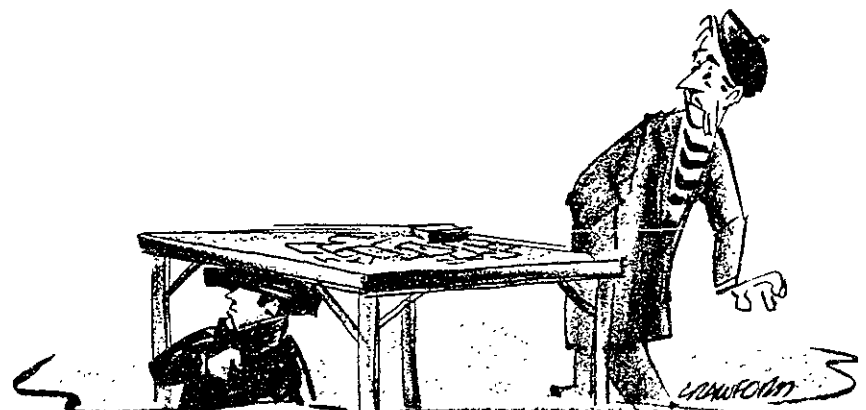
On Campus with Max Shulman
(Author of "I Was a Teen-age Dwarf," "The Many Loves of Dobie Gillis," etc.)

HOW TO SEE EUROPE FOR ONLY \$300 A DAY: NO. 2

Last week we discussed England, the first stop on the tour of Europe that every American college student is going to make this summer. Today we will take up your next stop—France, or the Pearl of the Pacific, as it is generally called.

To get from England to France, one greases one's body and swims the English Channel. Similarly, to get from France to Spain, one greases one's body and slides down the Pyrenees. And, of course, to get from France to Switzerland, one greases one's body and wriggles through the Simplon Tunnel. Thus, as you can see, the most important single item to take to Europe is a valise full of grease.

No, I am wrong. The most important thing to take to Europe is a valise full of Marlboro Cigarettes—or at least as many as



the customs regulations will allow. And if by chance you should run out of Marlboros in Europe, do not despair. That familiar red and white Marlboro package is as omnipresent in Europe as it is in all fifty of the United States. And it is the same superb cigarette you find at home—the same pure white filter, the same zesty, mellow blend of tobaccos preceding the filter. This gem of the tobaccoist's art, this prodigy of cigarette engineering, was achieved by Marlboro's well-known research team—Fred Softpack and Walter Fliptop—and I, for one, am grateful.

But I digress. We were speaking of France—or the Serpent of the Nile, as it is popularly termed.

Let us first briefly sum up the history of France. The nation was discovered in 1066 by Madame Guillotine. There followed a series of costly wars with Schleswig-Holstein, the Cleveland Indians, and Jean Jacques Rousseau. Stability finally came to this troubled land with the coronation of Marshal Foch, who married Lorraine Alsace and had three children: Flopsy, Mopsy, and Charlemagne. This later became known as the Petit Trianon.

Marshal Foch—or the Boy Orator of the Platte, as he was affectionately called—was succeeded by Napoleon, who introduced shortness to France. Until Napoleon the French were the tallest nation in Europe. After Napoleon most Frenchmen were able to walk comfortably under card tables. This later became known as the Hunchback of Notre Dame.

Napoleon, after his defeat by Credit Mobilier, was exiled to Elba, where he made the famous statement, "Able was I ere I saw Elba." This sentence reads the same whether you spell it forward or backward. You can also spell Marlboro backward—Orobaram. Do not, however, try to smoke Marlboro backward because that undoes all the pleasure of the finest cigarette made.

After Napoleon's death the French people fell into a great fit of melancholy, known as the Louisiana Purchase. For over a century everyone sat around moping and refusing his food. This torpor was not lifted until Eiffel built his famous tower, which made everybody giggle so hard that today France is the gayest country in Europe.

Each night the colorful natives gather at sidewalk cafes and shout "Oo-la-la!" as Maurice Chevalier promenades down the Champs Elysees swinging his malacca cane. Then, tired but happy, everyone goes to the Louvre for bowls of onion soup.

The principal industry of France is cashing travellers checks.

Well sir, I guess that's all you need to know about France. Next week we will visit the Land of the Midnight Sun—Spain.

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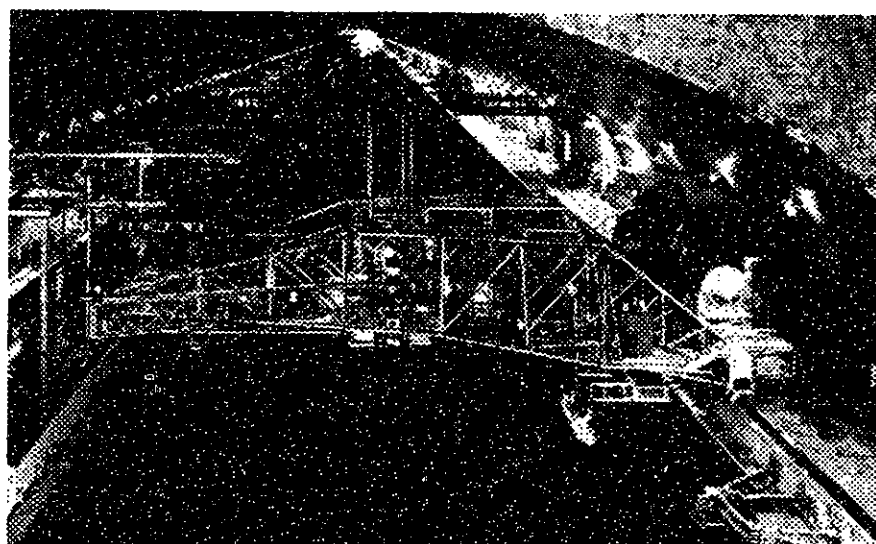
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movies . . .

'The Ugly American' now a movie

By Gilberto Perez-Guillermo
There can be little doubt concerning the good intentions with which the makers of 'The Ugly American' (director: George Englund, script-writer: Stewart Stern) have presented an obviously significant theme. That the film is not more successful is indeed unfortunate.

The story is loosely based on the best-selling novel of the same title, dealing with the problems in American foreign policy. The setting is an Eastern country strongly suggestive of South Vietnam. A new American ambassador (Marlon Brando) comes with the best intentions, but fails to comprehend the native situation, and his actions prove disastrous. He breaks a long-standing friendship with a native leader (Eiji Okada, whom I recall from 'Hiroshima, mon Amour') on the basis of a black-and-white view of communism and democracy. When he realizes his mistake, it is al-

ready too late to stop a revolution which will benefit only the Communists.

The screenplay has a dramatic unity which the novel, as I am told, lacks. In several instances Mr. Englund has taken full advantage of its potentialities. The ambassador's meeting with a Senate subcommittee effectively

THE UGLY AMERICAN: directed and produced by George Englund; screenplay by Stewart Stern, based on the novel by Eugene Burdick and William J. Lederer. At the Boston Music Hall. Running time: 120 minutes.


CAST:
Harrison Carter MacWhite
Marlon Brando
Deong Eiji Okada
Marion MacWhite Sandra Church
Homer Atkins Pat Hingle
Grainger Arthur Hill
Emma Atkins Jocelyn Brando
Prime Minister Kwen Sai
Joe Bing Kukrit Pramoj
Rachani Judson Pratt
Munsang Reiko Sato
Senator Brenner George Shibata
Sears Judson Laire
Sawad Philip Ober
Andre Krupitzyn Yee Tak Yip
Colonel Chee Stefan Schnabel
Pock Rock Ahn

depicts his capabilities and good intentions, which will make his failure appear all the more striking. In another successful scene, the country's Prime Minister (Kukrit Pramoj) forces the ambassador to acknowledge, upon direct evidence, his mistake.

Above all, the film is dominated by Mr. Brando's presence, in a wholly adequate performance. Mr. Brando adds a depth to the ambassador's character which the script seems to have missed. Credit must also be given to the characterization of the prime minister, in which the usual native cliches (which are not altogether absent from the film) are avoided.

Unfortunately, the film often fails to be convincing. There is a good deal of over-simplification. The character of the native leader and his relationship with the ambassador are never believable. The ambassador's disastrous idea about changing the course of a highway is admittedly naive, but it seems too obviously stupid. The audience, which can hardly have any better grasp of the country's situation than the ambassador, sees the implausibility of the plan all too easily. These and other details detract from the authenticity of the film, so essential to its success. In the climactic sequence, the insertion of a suspense trick is a bad mistake. The handling of the languages is also annoying; the native leader's speeches in accented English seem hopelessly contrived.

Perhaps one might detect in 'The Ugly American' something of the Stanley Kramer approach to significant issues (recall 'On the Beach,' 'Judgment at Nuremberg,' 'The Defiant Ones') in which a lack of personal involvement inevitably detracts from the impact of an admittedly important theme. On the other hand, one feels, at the end of the film, that Mr. Englund and Mr. Stern have earned the right to their concluding sequence, a caustic censure of the common man's attitude towards foreign-policy problems. After his failure, the ambassador addresses the United States public on television. The Common Man turns off the set.



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Squash tourney approaches

With the intramural squash season halfway over, many tight races have developed as the teams vie for tournament berths. The tournament will get under way during the second week in May, and, due to finals, will be a single-elimination affair.

Squash standings

League I

Senior House A	4-0
Graduate House B	3-0
Delta Kappa Epsilon	4-1
Phi Gamma Delta	2-2
Phi Sigma Kappa	0-1
Sigma Alpha Epsilon B	0-3
Baker House C	0-3

League II

Electrical Engineers	3-0
Sigma Phi Epsilon A	3-1
Theta Delta Chi A	3-1

League III

Lambda Chi Alpha A	2-1
Kappa Sigma	1-2
Phi Beta Epsilon	0-3
Sigma Alpha Epsilon C	0-4

League IV

Theta Xi	3-0
Burton House C	2-1
Chi Phi	1-2
Baker House B	1-2
Sigma Alpha Epsilon A	1-2
Sigma Phi Epsilon B	0-1

League V

Zeta Beta Tau	4-0
Burton House B	3-1
Lambda Chi Alpha B	2-1
Baker House A	1-2
Alpha Epsilon Pi	0-2
Theta Delta Chi B	0-3

League VI

Burton House A	3-0
Graduate House A	2-1
Pi Lambda Phi	1-2
NRSA	0-1
Senior House B	0-2
East Campus	0-2

Frosh sports

Tennis team brings record to 4-3 with 2 wins

By Mike Newhouse

The netmen won both of their matches this week, defeating Dean Junior College 9-0 and Belmont Hill Academy, 7-2. The team's record now stands at 4-3. The highlight of the Belmont match was the number one singles. Paul Ruby, after fighting off several match points, edged Kent Tarrat 8-6, 4-6, 9-7. Number two man Dick Thurber beat Price in straight sets 7-5, 6-3. Mark Glickstein, playing number three edged Palmer 6-4, 7-5. John Yeasley outstayed Bower 6-3, 0-6, 6-4, and Bob Lurie, Tech's number five man, made a strong comeback to win over Densmore 2-6, 6-1, 6-0. In the doubles, Ruby and Glickstein downed Belmont's first team while Thurber and Yeasley were

edged in three sets at number two doubles.

Lacrosse

Playing without the services of top attacker Pete Grant, the stickmen were downed by Andover 8-0 Wednesday.

The Techmen fell to Winchendon 10-2 on Briggs field Saturday. Pete Grant scored one goal, and Pete Kirkwood was given credit for the other on a play where the Winchendon goalie was knocked into the goal while carrying the ball in his stick.

Golf

The MIT Freshman Golf Team defeated Governor Dummer Academy 27-9 last week at Oakley Country Club. The Frosh linksters record now stands at one win and one loss. Leo Flynn was low man for MIT with a 76, soundly beating his opponent. Dave Andrews also won his match handily with a fine score of 83.

Baseball

The baseball team journeyed to

Tufts Wednesday, and, playing without four first-string members, lost 10-8. Larry Calof pitched the whole game for Tech, giving up seven hits. Tufts held a 7-2 lead until the eighth inning when Tech exploded with six runs. In the ninth inning, however, Tech went scoreless and Tufts pushed across three runs. At Harvard Saturday hurler Jack Mazola took the mound against an extremely tough Harvard nine. The final score was Harvard 10, Tech, 1. Mazola went all the way, fanning ten and walking two.

Tech nine loses two more

Tech's baseball team lost to Tufts 8-1 Wednesday and were downed by Middlebury College 7-4 Saturday. The two defeats brought their season record to 2-12.

Tech Beaten 8-1

Tufts scored five unearned runs as the Techmen committed seven errors during the contest.

Dick Adamec '63 and Dennis Hinrich '64 both had doubles for MIT. Tech's sole run came in the fourth inning when Adamec doubled and was scored on singles by Larry Demick '63 and Don Alusic '64.

The winning pitcher was Wally Wadmen who gave up one run and seven hits. The losing pitcher was Harold Branson '63 who pitched four innings, gave up five runs, six hits, walked one, and struck out four. His relief was Henry Nau '63 who gave up three runs, six hits, walked two, and struck out three.

MIT Rally Falls Short

In the contest with Middlebury,

the Techmen scored one run in the first inning when Adamec was knocked in on a single by Don Alusic '64. Dave Dunford '63 scored for Tech in a three-run ninth, but Middlebury had already pushed across seven runs on three four-baggers to put the game out of reach.

Tall went the distance to win for Middlebury. Bob Yanus '64 the losing pitcher, was relieved by Henry Nau in the fourth.

The Engineers travel to the Coast Guard Academy for a double-header Saturday and returns to Briggs Field for their last home game of the year against Boston University, Wednesday.

	AB	R	H	E
Tufts	37	8	12	1
MIT	34	1	7	7
Tufts	110	301	200	
MIT	000	100	000	
Middlebury	37	7	10	1
MIT	34	4	6	2
M'dbury	002	301	100	
MIT	100	000	003	

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Trackmen rally, but Bowdoin wins

An MIT rally fell short, as the Bowdoin varsity outpointed Tech and the University of New Hampshire in a track and field meet held last Saturday at Briggs Field.

Trailing by sixteen points at one time, MIT edged ahead with only one event to go, only to see the Bowdoin musclemen take first and second in the discus, to make the final score Bowdoin 71, MIT 65, UNH 29.

Jim Flink '64 led the track men to victory in their segment of the meet, capturing first in the 100 and 220-yd. dashes and finishing second in the 120-yard high hurdles behind Al Tervalon '65. Tervalon later came from behind to win by inches in the 220-yard low hurdles. The other MIT win-

ner was Tom Goddard '63, who picked up first place in the 880-yard run ahead of Mike Oliver '65 and nearly won the mile run.

In the field events, however, Bowdoin erased MIT's margin, holding Tech to first in the pole vault and high jump and second places in only three other events. Gary Lukis '64, teamed with John Shaner '64, and Mike Keehner '65, to dominate the pole vault, finishing first, third, and fourth. Bill Eagleson '64, captured first in the high jump, and hurled the javelin 181' 8" only to be beaten on the last throw of the competition. Jerry Dassel '64, in the hammer throw, and Kim Sloat '64, in the shot put, notched the other second places.

9.01

Introduction To Sports

Rugby

By Susan M. Rogers

Since the twelfth century, Englishmen have been playing rugby. According to legend, up to a hundred villagers on a side would frolic in a meadow, attempting to put the ball between two trees.

Plaque Awarded First Rugger
During the nineteenth century, rugby or rugger became more formalized. Distinctions were drawn between the all-kicking game and running with the ball. A plaque at the Rugby School in England commemorates William Webb Ellis, who in 1823 picked up the ball and ran with it, thus becoming the originator of modern rugby.

Becoming increasingly popular in the United States, the Eastern Rugby Union now has twenty members. It includes clubs from the larger cities, ivy league schools, and universities and colleges of the East coast.

15 Men And Prolate Spheroid
Played on a field almost twice the area of the American football gridiron, there are fifteen men on a team. The field is wider than in American football (75 yards as opposed to 53 1/3), and is set up similarly with the exception that the goal posts are right on the goal line.

The prolate spheroid used in rugby is rounder than a football and more difficult to throw but easier to play with the feet.

A rugby match or game consists of two 35-minute periods of continuous play separated by a five minute interval when teams exchange goals.

Try For Score

Scoring is somewhat similar to football, with a try (3 points) corresponding to the touchdown. The player tries to touch down the ball as near the center of the goal posts as possible. He must attempt to convert (for 2 points) by kicking the ball over and between the goal posts from a point directly in front of where he touched it down.

Free kicks, infrequently attempted, are made after catching the ball and shouting, "Mark!" while simultaneously grinding one's heel into the ground. If recognized by the referee and successful in the attempt, 3 points can be scored. Drop kicks made on the run, punts, and penalty kicks are all worth 3 points if they go between the goal posts and over the crossbar.

Football Differs

Authorities recognize three major differences between rugby and American football. 1) No blocking or interference is allowed. An opposing player cannot be tackled until he is in possession of the ball. 2) No forward passing is allowed. When a teammate precedes the ball-carrier, and interferes with

the play an immediate off-sides is called.

And finally 3) the scrummage is used to put the ball back in play and not to help a team advance. The scrum half throws the ball in and both teams have an equal opportunity to "heel it" or "wheel it" out to their backs, whereas in football, one team begins already in possession of the ball.

The Scrum

Eight forwards constitute the scrum. They "bind" together, forming a mass of power, and attempt to push back the other side's scrum. The lower they "ride," the more success they will have. As long as they are in the scrum (i.e., binding together), they are protected from the off-side rule which states that they must be in back of the ball. In the scrum, they need not be in back of the ball.

The rest of the team consists of the backfield in which the scrum half corresponds somewhat to a quarterback, and behind him the three quarterbacks are lined out. Extremely mobile, they do a great deal of the running about.

Jargon

Some helpful terminology: A "loose scrum" forms wherever the ball is lying free and players start scrapping for it. The ball must be played with the feet until it is kicked free.

"Touch" is simply out of bounds. The ball must be thrown in by the side which did not put it in touch. This is done through a "lineout" formation in which players line up parallel to each other, the ball is thrown in, and they jump for it, trying to hit it to their teammates.

A "knock-on" describes the ball going forward as in a forward pass. This is almost always illegal, meriting a penalty, and can become extremely involved.

Blood and guts, rough and tumble, rugger is still a gentleman's sport. After getting your wind knocked out or landing with a thud after a tackle, one hears (I am told), "Terribly sorry old chap!" or "Pardon me, laddie!" Whether international or local in origin, this custom sets the tone for rugby in New England.

Tech sailors sweep regatta at Coast Guard Academy

The varsity sailors scored sweeping victories over six other teams in both phases of a two-day regatta at Coast Guard Academy last weekend.

Ken Klare '63, Scott Hynek '65, and Fred Kern '65 took 11 first places in 14 races to sweep the dinghy competition Saturday, and qualify for the New England championships.

Skipper Mike Lifschitz '63, spinaker-handler Bill Dichter '64, and crewmen Dave Hoover '63 and Jack Hall '65 triumphed in five of six races in sloop competition Sunday, to defeat UConn, Harvard, WPI, and Coast Guard.

Lacrossemen outscored by Amherst, UMass

MIT's Lacrossmen dropped games to Massachusetts and Amherst last week to bring their season record to no wins and ten losses.

The Techmen were downed by the University of Massachusetts 5-4 last Wednesday. The contest however, proved to be an exciting one all the way to the finish. Tech goals were scored by Wayne Matson '64 and Bill Dreiss '64.

The stickmen suffered a 10-4 defeat at the hands of Amherst Saturday on Briggs field. Scoring honors for Tech in this game went to Matson, Jim Anderson '63, Bob Beardsley '64, and Bill Roeseler '65.

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Tech rowers win big weekend races

Lightweights take Biglin Bowl Varsity heavyweights score upset over Eastern Sprint champ Yale

By Bob Vernon

The lightweights came back from Hanover Saturday with the Biglin Bowl after eradicating Harvard's seven year domination of the cup with a decisive three-length victory. Not since the Biglin Bowl race of 1955 have the MIT lights registered a victory over the Crimson in a regular season race.

The varsity surprised even themselves as they jumped out to a one-length lead only 30 strokes after the start. From that point on the race was for second place between Harvard and Dartmouth as the MIT lead increased steadily over the 1 5/16 mile course.

Let's get out of here!

Starting at 41 strokes per minute the first boat settled to a 34 to match the fast racing conditions of the Connecticut River. They sat only briefly on their lead as Pete Staecher '63, the number six man, yelled, "Let's get out of here!" and the Engineers moved into their first "power ten." Tech opened the gap to two lengths with a half-mile left and shortly after sprinted home to a three-length decision over Harvard and Dartmouth in times of 5:47.8, 5:59, and 6:00.6, respectively.

The MIT junior varsity earlier had set the pattern for the afternoon by out-jumping their Harvard and Dartmouth opponents at the start. The gap began to open slowly until, with about a half mile left, Harvard started to narrow the margin. But Tech steamed back, then sprinted over the line with a comfortable 2 1/2 length victory. Times were MIT

5:55.2, Harvard 6:05.3, and Dartmouth 6:12.0.

Harvard frosh win

The Tech first freshman boat lost to a very impressive group of Harvard frosh. The MIT yearlings were outpowered and out-finessed all the way down the course as the boys from upriver ended Tech's hope for a sweep. Times were Harvard 6:28.5, MIT 6:35.4, and Dartmouth 6:37.2.

The two other races of the day were split with Harvard. The second frosh from MIT won the closest race of the day over Harvard by two seconds in times of 6:31.3, 6:33.6, and (Dartmouth) 6:37.2. The second loss of the afternoon

for MIT came in the final race as the third varsity was decided by Harvard. Times were Harvard 6:10.2, MIT 6:15.0 and Dartmouth 6:40.5.

Coach Garry Zwart summed up his elation with the day's performance simply, by saying, "I really enjoyed this one!"

Lightweight boatings

Varsity — Bow, J. M. Greata; 2. J. P. Proctor; 3. R. W. Metzinger; 4. D. D. Buss; 5. R. M. Cheek; 6. P. W. Staecher; 7. H. G. Herrman; Stroke, M. B. Barron; Cox, R. E. Vernon.
Junior varsity — Bow, W. C. Carithers; 2. R. S. Arold; 3. D. S. Evans; 4. L. Taff; 5. J. M. Piepmeyer; 6. W. C. Haase; 7. J. T. Lynch; Stroke, E. L. Jorgenson; Cox, J. R. Adams.
Freshmen — Bow, D. L. Starr; 2. R. A. Sanchez; 3. P. E. Blankenship; 4. T. A. Scott; 5. H. A. White; 6. R. E. Sayre; 7. W. E. Tippet; Stroke, B. T. Powell; Cox, P. F. Salipante.

Second team loses

By Susan M. Rogers

An all-American halfback and an all-East tackle were two of the seven "converted" football players Holy Cross brought to

play rugby on Briggs field Saturday.

In its third encounter of the season, MIT tied the first game 3-3 with Holy Cross and lost the second, 5-0.



Tech outside center Steve Dreier '64 carries ball in Saturday's second game against Holy Cross. Other Techmen in play are Russ Johnson '66 (foreground) and Charles Rein '62 (background). MIT lost this contest 5-0, after tying Holy Cross in the first game.

—Photo by Joe Baron

Drop two matches

Golfers top Brandeis, Merrimack, UNH

MIT's golf team scored over Brandeis (6 1/2-1 1/2), Merrimack (4-3), and University of New Hampshire (4-3) while losing to Harvard (5-2) and Wesleyan (5-2) last week. These results give the squad a 9-8 season record.

Harvard Wins

The golfers were downed by Harvard at Oakley Country Club Monday. Individual winners for Tech were Peter Lubitz '65 and Roy Carver '65, while Bill Lakin '64, Neil Hull '63, Bill Graham '64, Mike Finson '63, and John Sinnott '65 lost their matches.

In a triangular match the Techmen beat Brandeis 6 1/2-1 1/2 while losing to Wesleyan 5-2 on Wesleyan's home course. In the Brandeis match, Lakin, Carver, Graham, Hull, Finson, and John Golden ('65) registered victories while Lubitz was held to a tie by his

opponent. In the Wesleyan match, Lubitz and Graham provided Tech with its two points, while the rest of the squad suffered defeats.

MIT Wins Twice

The squad defeated Merrimack and University of New Hampshire by identical scores of 4-3 Friday. In the Merrimack contest Lubitz, Lakin, Hull, and Carver registered victories, while Graham, Finson, and Al Pogeler '65 lost. Bill Lakin's 20 foot putt on the 19th hole decided the New Hampshire match. This shot gave Bill his fourth birdie of the day as he was low man for Tech with a 74. Other winners for Tech in the match were Graham, Carver, and Finson, while Lubitz, Hull and Pogeler lost in tight matches.

Coach Merriman will take a squad of seven to the Greater

Boston Colleges' Tournament Monday.

The Techmen are slated to meet B.U. and Babson at Babson Thursday and they meet Colby Saturday away.

On Deck

- Wednesday, May 1**
Baseball — Andover (F), Home, 3:00 pm
Tennis — Milton Academy (F), Away, 3:00
Track — Moses Brown (F), Away, 3:00 pm
Thursday, May 2
Golf — Boston University, Boston, Away, 2:00 pm
Harvard (F), Away, 1:00 pm
Lacrosse — WPI, Away, 3:30 pm
Tennis — Dartmouth, Away, 4:00 pm
Saturday, May 4
Baseball — Coast Guard (Double Header), Away, 1:00 pm, Exeter (F), Away 2:30
Heavyweight Crew — COMPTON CUP — Princeton, Harvard Dartmouth at Cambridge
Lightweight Crew — GEIGER CUP — Columbia, Cornell at Ithaca
Golf — Colby, Away, 1:00 pm
Lacrosse — Bowdoin, Away, 2:00 pm, New Hampshire (F), Away, 2:00 pm
Sailing — Owen Trophy Regatta at West Point, Championships at New London (F)
Tennis — Coast Guard, Away, 2:00 pm
Exeter (F), Away, 2:00 pm
Track — Columbia, Rutgers (V&F), Away, 2:00 pm
Sunday, May 5
Sailing — Both Saturday Contests Continued

Netmen top UMass by 7-2 to register fourth straight win

Tech's tennis team won their fourth straight by defeating the University of Massachusetts 7-2, Saturday. The season's record is now seven wins and four defeats.

At number one Bent Aasnaes '64 had recovered enough from his recent shoulder injury to start serving overhanded. He downed Roger Twitchell 6-1, 6-2. Jack Moter '64 defeated U. Mass's number two man Tom Simons 6-0, 7-5. Marty Ormond '64 was defeated by Mike Rose 6-0, 7-5 for Tech's only singles loss. Terry Chatwin '63 edged Robert Neal 11-9, 6-3. Bob Blumberg '64 squeaked through his first set and then romped in the second, defeating Bill Martin 7-5, 6-0. Sophomore Mike Long defeated Robert Greenberg 6-3, 6-1.

In doubles the number one team of Aasnaes-Moter scored a 6-1, 6-4, victory over Twitchell and Neal. Chatwin and Blumberg edged Martin and Greenberg 6-3, 7-5. Jon Burkhardt '64 and Doug Patz '65 were outscored by Dick Leete and Tom Simons 6-0, 6-2.

The netmen are scheduled to meet Dartmouth Thursday for matches at Dartmouth and Coast Guard Saturday.

MIT riflemen 3rd in Boston Handicap Tournament

MIT's rifle team placed third in a field of six in the annual Boston Handicap Tournament Saturday, despite shooting the high raw score of 1420. Boston College's 1432 won, based on a raw score of 1406. Wentworth fired a 1375, but were handicapped to 1421, just one point above MIT. Northeastern, Boston University and Harvard finished fourth through sixth, respectively.

Joe Boling '64 fired a 290 to earn two medals, while seniors

Jerry Skinner and Dike Ludeman picked up a medal apiece with a 286 and 285. Bruce Peterson '63, and Karl Frederick '65 filled out the high five for Tech by firing 280 and 279.

Tech first in league

This was the last competition of the season for the riflemen. The team was presented with a plaque and a trophy for first place during the season, and a trophy for third place in the handicap match.

MIT lost only one of its ten matches in each of the two leagues in which it participates. This loss was in a three-way match. The final scores were: Norwich - 1414, MIT - 1413, Harvard - 1412.

The team may lose some of its strength next season, due to the graduation of the three seniors Ludeman, Skinner, and Peterson, who placed second, 12th and 21st, respectively, in a field of 179 New England shooters.

saw contest, with Tech holding on to a lead varying from about one-quarter of a length to about three-quarters. MIT stroked from 30 to 32 strokes a minute, and was about half a stroke over the smooth-rowing Elis.

Neck and neck

With about three quarters of a mile to go, Yale made their bid and drew up even. The boats proceeded down the course neck and neck until Yale gained a lead of two seats, or ten feet, at the quarter-mile to go mark.

MIT comes through

Soon after this, Tech Coxswain Jesse Lipcon '65 called for a sprint, and the Engineers began to move again. Rowing at 42 strokes a minute as opposed to Yale's 38, MIT pulled ahead and went on to win by a third of a length, in 10 minutes and two seconds.

In the JV contest, it was Yale who gained a length at the start. MIT held on in this position for over a mile but then Elis began to move away. Yale finished in 10:12.6, a little more than three lengths ahead.

The Third Varsity race followed the same pattern as the varsity race, Tech pulled a one length lead at the start, but it began to be whittled down right away by the game Elis, until Yale held a slight lead going into the sprint. MIT's stroke man Dave Miller '65 then pulled all the stops, and Tech went on to win by 7/10 second, in 10:11.4.

Tech's yearlings, still hunting their first victory, ran into trouble with Yale, with the first and second boats losing by two and a quarter and two and a half lengths respectively.

Heavyweight boatings

Varsity — Bow, Bob Kurtz; 2. Dick Leonard; 3. Ken Anderson; 4. Marth Poe; 5. Bill Weber; 6. Anthony Flory; 7. Bob Wild; Stroke, Chris Miller; Cox, Jesse Lipcon.
Junior varsity — Bow, Sam Drake; 2. Bruce Lindorf; 3. Ray Fisher; 4. Jim Falender; 5. Herbert Doeppen; 6. Bob Curd; 7. Jim Larsen; Stroke, Bob Sandel; Cox, Bud Boring.
Freshmen — Bow, Joel Tally; 2. Richard Breinlinger; 3. Robert O'Donnell; 4. David Penny; 5. Joe Balsewicz; 6. Tom Rice; 7. Fritz Ebert; Stroke, Bill Kampe; Cox, Dennis Orbye.

Cup races Saturday

Tech's heavyweights will race crews from Harvard and Princeton for the Compton Cup this Saturday, in their biggest regular season regatta on the Charles, while the lights travel to Ithaca to race Cornell and Columbia for the Geiger Cup.

The races on the Charles should prove especially close and interesting, and a big turnout would help the MIT oarsmen.

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